

Appl. No. 10/797,512  
Amdt. Dated October 1, 2004  
Reply to Office Action of August 23, 2004

### Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

### Listing of Claims:

- 1 Claim 1 (currently amended): An apparatus for providing an output voltage, comprising:  
2 an output circuit being adapted for outputting an output signal having a first signal  
3 range, said output circuit comprising a first part and a second part, each of  
4 said first part and second part having an input terminal, wherein each of  
5 said first part and said second part of said output circuit is connected at  
6 one side to a third voltage level and said first signal range being between ~~a~~  
7 the third voltage level and a fourth voltage level; and  
8 at least one input circuit, said at least one input circuit being adapted for inputting  
9 an input signal having a second signal range and at least a two-level strobe  
10 voltage, said input signal comprising at least a two-level input voltage, and  
11 second signal range being lower than said first signal range, said at least  
12 one input circuit being further adapted for setting a first at least one of said  
13 input terminals to a voltage level related to said input voltage when a  
14 strobe voltage is set to a first voltage level, and said input circuit being  
15 further adapted for electrically isolating a second at least one of said input  
16 terminals when said strobe voltage is set to a second voltage level,  
17 wherein said second at least one of said input terminals may include said  
18 first at least one of said input terminals, said at least one input circuit  
19 further comprises:  
20 a switch, said switch having a first end connected to said third voltage level and a  
21 second end connected to a third at least one of said input terminals and  
22 said switch being adapted for setting said third at least one of said input  
23 terminals to said third voltage when the switch is active; and  
24 a one-way conducting element, said one-way conducting element connected to  
25 said third at least one of said input terminals and to said second end of said

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26 switch and said one-way conducting element being adapted for setting said  
27 third at least one of said input terminals to a voltage level lower than said  
28 third voltage level when said switch is inactive, wherein said third at least  
29 one of said input terminals may include one of said first at least one of  
30 said input terminals and said second at least one of said input terminals.

1 Claim 2 (original): The apparatus as recited in claim 1 further comprises:  
2 a cholesteric liquid crystal display; and  
3 a driving circuit, said driving circuit for driving said cholesteric liquid crystal  
4 display, wherein said driving circuit includes said output circuit and  
5 further includes said at one input circuit.